AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims indicated as cancelled:

1-23. **(Cancelled)**

24. **(Currently Amended)** A method for displaying an in vivo image stream, said method comprising:

~~displaying a plurality of frames from the in vivo image stream substantially simultaneously;~~

comparing at least one predetermined criterion of each of a plurality of frames to a reference image;

assigning a score to each of the plurality of frames based on a degree of variation of the predetermined criterion of each frame and the reference image;

[[and]]

spatially positioning the frames in ~~a spatial~~ order of ascending or descending degree of variation based on the score assigned thereto; and

displaying the plurality of frames from the in vivo image stream substantially simultaneously according to the spatial positioning.

25. **(Previously Presented)** The method according to claim 24 comprising displaying the in vivo image stream as a multi-frame image stream.

26. **(Previously Presented)** The method according to claim 24 comprising adjusting a rate at which the multi-frame image stream is displayed based on the content of the frames.

27. **(Cancelled)**

28. **(Currently Amended)** The method according to claim 24 wherein the score is assigned based on a degree of color variation ~~between~~ of the displayed images as compared to the reference image.

29. – 30. (**Cancelled**)

31. (**Previously Presented**) The method according to claim 24 comprising adjusting the size of at least one of the frames displayed based on the assigned scores.

32. (**Previously Presented**) The method according to claim 24 wherein the in vivo image stream includes frames captured from more than one image sensor.

33. (**Previously Presented**) The method according to claim 24 comprising displaying sensor data from a sensor other than an image sensor substantially simultaneously as the frames from the in vivo image stream.

34. (**Currently Amended**) A system for displaying an in vivo image stream, the system comprising:

an in vivo imaging device to transmit an in vivo image stream;

a processor to compare at least one predetermined criterion of each of a plurality of frames ~~generate a multi-frame image stream~~ from the in vivo image stream to a reference image, to assign a score to each of a plurality of frames to be displayed substantially simultaneously based on a degree of variation of the predetermined criterion of each frame and the reference image, [[and]] to determine a spatial position of the frames to be displayed substantially simultaneously ~~in the multi-frame image stream~~ in order of ascending or descending degree of variation based on the score assigned thereto; and

a display to display [[said]] a multi-frame image stream, wherein each multi-frame image thereof displays the plurality of frames substantially simultaneously in the determined spatial position.

35. (**Previously Presented**) The system of claim 34 wherein the in vivo imaging device is an autonomous capsule.

36. (**Previously Presented**) The system of claim 34 comprising a pH sensor.

37. **(Previously Presented)** The system of claim 34 wherein the score is assigned based on data detected by a sensor.

38. **(Previously Presented)** The system of claim 34 wherein the processor is to adjust the stream rate of the multi-frame image stream.

39. **(Currently Amended)** A method for displaying an in vivo image stream, the method comprising:

selecting a plurality of frames from an in vivo image stream;

comparing at least one predetermined criterion of each of the plurality of frames to a reference image;

assigning a score to each of the plurality of frames based on a degree of variation of the predetermined criterion of ~~interest~~ each frame and the reference image;

spatially positioning the plurality of frames in [[an]] order of ascending or descending degree of variation based on the score assigned thereto; and

displaying the plurality of frames substantially simultaneously according to the spatial positioning.

40. **(Cancelled)**

41. **(Cancelled)**

42. **(Previously Presented)** The method according to claim 39 wherein at least two of the plurality of frames are displayed having different sizes.

43. **(Currently Amended)** The method according to claim 39 wherein the score is assigned based on color variation ~~between~~ of the plurality of frames as compared to the reference image.

44. **(Currently Amended)** The method according to claim [[27]] 24 wherein the reference image represents healthy tissue and wherein images having a high degree of variation with respect to the reference image are displayed to represent pathologies.

45. **(New)** The method according to claim 24 wherein the reference image represents a pathology and wherein images having a low degree of variation with respect to the reference image are displayed.